



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 54272  
Application ID: 10656848  
Title of Invention: Negative Ion Source with  
External RF Antenna  
First Named Inventor: Ka-Ngo Leung  
Domestic/Foreign Application: Domestic Application  
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Filing Type:  
Confirmation number: 8582  
Attorney Docket Number: IB-1826A



Total Fees Authorized: 180.0  
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Deposit Account Number: 120690  
Deposit Account Name: Joseph Ray Milner  
Access Code: \*\*\*\*  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2004-01-26  
RAM Sequence Number: 5


Digital Certificate Holder: cn=Joseph R. Milner,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
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## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention							
	<b>Negative Ion Source with External RF Antenna</b>						
Application Number: 10/656848							
Confirmation Number: 8582							
First Named Applicant: Ka-Ngo Leung							
Attorney Docket Number: IB-1826A							
Examiner: unknown unknown							
Search string: ( 4725449 or 5434353 or 5587226 or 6124834 or 4447732 or 4529571 or 4793961 or 5198677 or 6094012 or 3846636 or 4395631 or 6376978 or 20020150193 ).pn.							
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4725449	1988-02-16	Ehlers et al.		427	49
	2	5434353	1995-07-18	Kraus		174	15.6
	3	5587226	1996-12-24	Leung et al.		428	210
	4	6124834	2000-09-26	Leung et al.		343	867
	5	4447732	1984-05-08	Leung et al.		250	427
	6	4529571	1985-07-16	Bacon et al.		376	144
	7	4793961	1988-12-27	Ehlers et al.		376	127
	8	5198677	1993-03-30	Leung et al.		250	424
	9	6094012	2000-07-25	Leung et al.		315	111.81
	10	3846636	1974-11-05	Zehr et al.		250	499
	11	4395631	1983-07-26	Salisbury		250	251
	12	6376978	2002-04-23	Leung et al.		313	359.1
<b>US Published Applications</b>							
Note: Applicant is not required to submit a paper copy of cited US Published Applications							

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020150193	2002-10-17	Leung et al.		376	108

Signature

Examiner Name	Date